



This Service Information bulletin supersedes S.M. B12 215 05 dated June 2005

## SUBJECT

### Charging Indicator Lamp Illuminates While Driving

## MODEL

Vehicles equipped with a 120 or 140 Amp Valeo alternator only.

E36 (Z3 roadster and Z3 coupe) equipped with M54 engine

E36 (M roadster and M coupe) equipped with S54 engine

E39 (5 Series) equipped with M54 engine

E46 (3 Series) equipped with M54 engine

E46 (M3 coupe and convertible) equipped with S54 engine

E53 (X5) equipped with M54 engine

## SITUATION

The customer complains the charge indicator lamp illuminates while driving.

## CAUSE

A faulty diode in the alternator regulator is activating the charging lamp. Although the light is illuminated the vehicles charging system continues to charge and battery state is not affected.

## PROCEDURE

**Do not replace the alternator.** On a customer complaint basis only replace the voltage regulator using one of the parts listed below.

## PARTS INFORMATION

Vehicles equipped with Valeo 120 or 140 Amp alternators only. The current version of EPC is incorrect and will be corrected shortly, please install proper part number listed below.

Part Number	Description	Quantity
12 31 7 551 153	Voltage regulator all models except E53 (X5)	1
12 31 7 543 917	Voltage regulator E53 (X5) only	1

## WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty.

Refer to KSD for proper defect code and labor allowance for work performed.